

**REMARKS/ARGUMENTS****1. Election/Restrictions:**

Restriction to one of the following inventions is required under 35  
5 U.S.C. 121:

**Group I:** Claims 1-12, drawn to semiconductor device(s),  
classified in class 257, subclass 734.

**Group II:** Claims 13-25, drawn to method(s) of manufacturing  
semiconductor device(s), classified in class 438, and subclass 411.

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The inventions are distinct, each from the other because of the  
following reasons:

Inventions II and I are related as process of making and product  
15 made. The inventions are distinct if either or both of following can be  
shown: (1) that the process as claimed can be used to make other and  
materially different product or (2) that the product as claimed can be  
made by another and materially different process (MPEP §806.05 (f)).  
In the instant case, unpatentability of the group II invention, since the  
20 device of the group I invention could be made by other and materially  
different processes from those of the group II invention. For example,  
the device of group I can be formed by first forming the first the first  
substrate, then forming bonding balls on the first surface of the first  
substrate, after that forming the second substrate on the first surface of  
25 the first substrate boding to the bonding balls.

Because these inventions are distinct for the reasons given above  
and have required a separate status in the art as shown by their different  
classification, the fields of search are not co-extensive. Therefore,  
30 separate examination would be required and restriction for examination  
purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even through the requirement be traversed (37 CFR 1.143).

5 **Response:**

Applicant has elected Group I, which are characterized by Fig 4-7 according to 37 CFR 1.143. Claim 1-12 are readable upon the elected Group I. Fig. 6 is a schematic diagram of the first embodiment (Fig. 4-6) in cross-section. Fig.7 is a schematic diagram of the second embodiment where the first substrate 32, the plurality of first bonding balls 36, and the dummy bonding bar 42 in Fig.4 are the same in Fig.7. Apparently, embodiment 1 and 2 are readable in claim 1-12. Claim 13-25 are not readable in the elected Group I and thereby are canceled. Consideration of Claim 1-12 are politely requested.

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**2. Inventorship:**

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of the inventorship must be accompanied by a diligently filed petition under 37 CFR 1.48 (b) and by the fee required under 37 CFR 1.17 (h).

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**Response:**

The inventorship of the elected inventions is not changed.

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

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Sincerely yours,

Winston Hsu

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Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan.)